

**Notice of Allowability**

Application No.

10/668,739

Examiner

Jean F. Duverne

Applicant(s)

WU, JERRY

Art Unit

2839

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to interview summary on 9/16/2004.
2. ☒ The allowed claim(s) is/are 1-6, 12, 15 and 16.
3. ☒ The drawings filed on 22 September 2003 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some\* c) ☐ None of the:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).  
\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.  
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached  
1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.  
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.  
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)                      |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date <u>9/22/03</u> | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                              |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material                              | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance             |
|   | 9. <input type="checkbox"/> Other _____  |

## **DETAILED ACTION**

### **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Wei Te Chung on 9/16/2004.

The application has been amended as follows: Claim 1 has been amended as follow: the period at the end of the claim has deleted: "."; the following term has been added: --; wherein the first housing defines a first and a second mating ports respectively receiving the first and the second contacts; wherein the first housing includes, along a lengthwise direction thereof, an elongated base with the first and the second mating ports integrally extending from one side thereof, and with the cable and the second connector attached to the other side thereof, along the lengthwise direction; wherein the base defines a cavity communicating with the second mating port, and the second housing defines a recess aligned with and communicating with the cavity, the second and the third contacts partially extending into the recess and the cavity, respectively; wherein the base defines a plurality of holes and slots at upper and lower sides of the cavity, and the second housing is formed with a plurality of posts and latches received in the holes and the slots, respectively; the cable assembly further comprising a cover overmolded with the cable and the base. --.

Art Unit: 2839

Claim 17 has been amended as follow: the period at the end of the claim has deleted: "."; the following term has been added: -- wherein said first mating port is shorter than the second mating port, and said first mating port transmits powers and said second mating port transmits signals.--.

Claims 7-11, 13-14, and 17 have been canceled.

Claims 1-6, 12, 15 and 16 are allowed.

2. The following is an examiner's statement of reasons for allowance: Prior art fails to disclose the combination features the defining the recess communicating with the second mating port; the third contact partially extending into the recess and the cavity; the cable assembly comprising the cover overmolded with the cable and the base; the first mating port being shorter than second, and the first mating port transmits powers and the second transmits signal; and with the rest of the claims limitations.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jean F. Duverne whose telephone number is (571) 272-2091. The examiner can normally be reached on 9:00-7:30, Monday-Thursday.

Art Unit: 2839

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, TC Patel can be reached on (571) 272-2098. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JFD

09/16/2004

A handwritten signature in black ink, appearing to read 'Jean Frantz Duverne', with a long horizontal stroke extending to the right.

Jean Frantz Duverne  
Primary Examiner  
Art Unit 2839

Art Unit: 2839

**Newly amended claims 1 and 17.**

1. A cable assembly comprising: a first connector comprising a first insulating housing and a plurality of first and second contacts retained to the first housing, each of the first and the second contacts comprising an engaging portion received in the first housing and an opposite connecting portion; a cable comprising a plurality of conductors connecting portions of the first contacts; and electrically connecting with the a second connector comprising a second housing back to back assembled to the first insulating housing and a plurality of third contacts electrically connecting with the connecting portions of the second contacts

;wherein the first housing defines a first and a second mating ports respectively receiving the first and the second contacts; wherein the first housing includes, along a lengthwise direction thereof, an elongated base with the first and the second mating ports integrally extending from one side thereof, and with the cable and the second connector attached to the other side thereof, along the lengthwise direction; wherein the base defines a cavity communicating with the second mating port, and the second housing defines a recess aligned with and communicating with the cavity, the second and the third contacts partially extending into the recess and the cavity, respectively; wherein the base defines a plurality of holes and slots at upper and lower sides of the cavity, and the second housing is formed with a plurality of posts and latches received in the holes and the slots, respectively; the cable assembly further comprising a cover overmolded with the cable and the base.

Art Unit: 2839

17. An electrical connector assembly comprising:

a first connector including a first insulative housing extending along a longitudinal direction, said first housing defining juxtaposed first and second mating ports on a front face; a plurality of first contacts disposed in the first housing, said first contacts being divided into first and second groups corresponding to said first and second mating ports, each of said first contacts defining a front engaging portion disposed in the corresponding mating port; a cable permanently associated with the first housing and extending in a front-to-back direction perpendicular to said longitudinal direction, and including a plurality of conductors electrically and mechanically connected to the first contacts of the first group; and a second connector including a second insulative housing extending along said longitudinal direction while being discrete from and shorter than the first housing in said longitudinal direction, said second housing attached to a rear face of the first housing, and defining a third mating port exposed to an exterior rearwardly relative to the first housing, wherein said third mating port is essentially aligned with the second mating port in the front-to-back direction for allowing a complementary connector, which is mateable with the third mating port, to be electrically connected to said first contacts of said second group

; wherein said first mating port is shorter than the second mating port, and said first mating port transmits powers and said second mating port transmits signals.